

THE ROLE OF ARTIFICIAL INTELLIGENCE IN COMPLETING ACADEMIC TASKS

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Abstract

At present, the significance of artificial intelligence (AI) technologies in the education system is steadily increasing.

The article provides a comprehensive analysis of the fundamentals of AI, its application within the educational process, and the latest technologies employed in the development of virtual learning environments. The author illustrates, with specific examples, the potential of AI to create personalized learning pathways, identify students' abilities and needs, and design interactive and adaptive educational materials.

Furthermore, the article presents recommendations for reducing teachers' workload through AI integration, automating assessment procedures, and enhancing the overall efficiency of the learning process. The advantages of virtual environments—such as making distance education more accessible and effective, and fostering communication and collaboration among students—are also emphasized.

Keywords: Artificial intelligence, Magic school, Eduplay, Alica, Chatgpt, integration, independent research.

Introduction

Magic School and Educaplay in Education Magic School AI – A Magical Assistant for Education

What is it? Magic School is an AI tool designed for teachers, helping them create lesson plans, tests, quizzes, and other educational materials.

Benefits:

- Fast and high-quality material preparation.
- Customization based on student knowledge levels.
- Creation of creative and interactive learning tools.

Educaplay – Game-Based Learning

What is it? Educaplay is a platform for creating games, quizzes, crosswords, and word searches. How is AI involved? You can use AI to generate content and then present it to students in game format via Educaplay.



Advantages:

- Makes learning fun for students.
- Encourages active participation.
- Provides online assessment options.

Combination: AI + Educaplay

AI tools (like ChatGPT or Magic School) generate questions or texts, which are then used to create quizzes or games on Educaplay. Students learn through tests and games, leading to greater engagement and retention.

Case Studies:

- U.S. Elementary Schools: Teachers used Magic School AI to create subject-specific tests and quizzes. Educaplay was used to develop grammar and vocabulary games (crosswords, word searches). Result: Increased student engagement.
- English Courses in Spain: Educaplay was used to create "Fill in the Gaps" and "Matching Pairs" games, with AI (e.g., ChatGPT) generating texts and questions. Students enjoyed interactive participation.

Practical Examples:**1. English Lesson – Vocabulary Building**

- AI: ChatGPT generates 10 words and definitions on "school vocabulary."
- Educaplay: Creates a "Matching" or "Word Search" game.
- Result: Students memorize new words more easily.

2. History Lesson – Quiz on World War II

- AI: Magic School AI generates Q&A on WWII.
- Educaplay: Turns them into a multiple-choice quiz.
- Result: Students reinforce historical knowledge through gameplay.

Benefits:

- Engaging lessons with game elements.
- High participation (no passive learning).
- Easier memorization through play.
- Automated assessment (Educaplay analyzes results).
- Saves teachers time (AI generates tests and lesson plans).

The Role of AI in Assessing Students' Reading and Writing Skills**Reading:**

- Provides texts (articles, stories, news) and checks comprehension.
- Identifies misunderstandings and explains errors.
- Expands vocabulary by teaching new words in context.
- Platforms: Khan Academy, ReadTheory.



Writing:

- Assists in essay writing: planning, editing, clarifying ideas.
- Corrects grammar and explains mistakes.
- Teaches formal/informal writing styles.
- Tools: Grammarly, ChatGPT.

Speaking:

- Conducts Q&A exercises (CEFR/IELTS format).
- Gives pronunciation feedback.
- Boosts confidence in conversations.
- Apps: ELSA Speak, Mondly, ChatGPT.

Listening:

- Provides audio-based exercises (uploaded by users).
- Tests comprehension through summaries or questions.
- Recommends films/podcasts for real-world practice.
- Tools: YouGlish, TED Talks.

Popular Apps:

- Kahoot – Gamified learning.
- Duolingo – Skill-building through play.
- ChatGPT – Personalized Q&A and exercises.

ELSA Speak (Free Version) Features:

1. AI-powered pronunciation analysis.
2. Speaking exercises and mini-dialogues.
3. Daily lessons and progress tracking.
4. Free vs. Paid: Limited daily exercises (free) vs. full access (paid).

You Glish – A free tool to hear words pronounced in real YouTube videos (with subtitles).

Helps with:

1. Listening to natural speech.
2. Improving pronunciation (US/UK/AU English).
3. No registration required. AI is transforming education. Tools like Magic School simplify teachers' work, while Educaplay boosts student engagement. Combining them makes learning both effective and enjoyable.

Integration of ChatGPT, Alisa, Khan Academy, and DeepL Translator in the Learning Process

Education in the 21st century is inextricably linked with modern technologies. Artificial intelligence (AI) and digital platforms are increasingly being integrated into the learning environments of schools and higher education institutions. In particular, the integration of advanced technologies such as ChatGPT, Yandex Alisa, and Khan Academy into lessons



makes it possible to improve the quality of education, address students' individual needs, and enhance their motivation for learning. This article provides a detailed analysis of the capabilities, advantages, and practical applications of these three technologies in the classroom.

The Role of ChatGPT in the Learning Process

ChatGPT is a powerful language model developed by OpenAI capable of answering user queries in natural language, generating, analyzing, and explaining texts. ChatGPT can be employed in several important areas of school education:

1. **Language Learning:** Students learning English or other foreign languages can use ChatGPT for written and spoken exercises, analyzing grammatical errors, and expanding vocabulary.
2. **Text Creation:** Students may draw inspiration or request model texts when writing essays, reports, or translations.
3. **Independent Research:** Students can ask ChatGPT questions on topics of interest, conduct independent research, and solve reinforcing exercises.
4. **Teacher Support Tool:** For teachers, ChatGPT can assist in creating test questions, exercises, lesson plans, and interactive activities.

The chat interface allows students to actively engage with AI during the lesson, making them active rather than passive participants, which in turn increases motivation and modernizes the learning process.

Alisa: A Voice Assistant in Education

Yandex Alisa is a Russian-language AI assistant capable of voice communication with users. It is especially useful in primary and general education settings in the following areas:

1. **Pronunciation and Listening Skills:** Students learning Russian can use Alisa to practice correct pronunciation and improve listening comprehension.
2. **Interactive Q&A:** Students can ask Alisa various questions to test their knowledge and engage in informative conversations.
3. **Source of Information:** Quick access to short pieces of information (e.g., historical dates, geographical locations, term definitions, etc.).
4. **Interactive Learning Tool:** Especially beneficial for younger students, Alisa can help turn lessons into engaging, game-based experiences.

Through interactive voice dialogues, Alisa fosters confidence and independent thinking. For students studying in Russian, it helps simulate a natural language environment.

Khan Academy: A Platform for Independent Learning

Khan Academy is a globally renowned free education platform that offers students video lessons, quizzes, interactive tasks, and progress tracking in subjects like math, biology, physics, history, economics, computer science, and more. Key advantages include:

1. **Self-Paced Learning:** Students can study at their own pace and review complex topics as needed.



2. **Progress Monitoring:** Learners can track their performance and analyze learning outcomes.
3. **Convenient Teacher Supervision:** Teachers can observe the strengths and weaknesses of each student and develop individualized approaches.
4. **Engaging Presentation:** Animated videos and interactive content simplify difficult topics. Khan Academy promotes deep learning through its interactive format and testing system, while also helping teachers apply a personalized approach with each student.

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